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oligonucleotide (p53)

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		tgc Cys												Gln		576
		att Ile 195														624
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Val 290	Gly	Ala	Tyr	Thr	Phe 295									-	
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Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp Met Gly Ala Pro 50 55 60

Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe Leu Cys Arg Cys 65 70 75 80

Asn Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser Cys Ser Asp Ile
85 90 95

Asp Glu Cys Gly Tyr Ser Ser Tyr Leu Cys Gln Tyr Arg Cys Val Asn 100 105 110

Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr Gln Leu Leu 115 120 125

Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Thr Gly Ala His 130 140

Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly Gly Tyr Arg 145 150 155 160

Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Val Gln Val Ser Asp 165 170 175

Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg Glu Gln Pro 180 185 190

Ser Ser Ile Val His Arg Tyr Met Ser Ile Thr Ser Glu Arg Ser Val 195 200 205

Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr Pro Gly Ala 210 215 220

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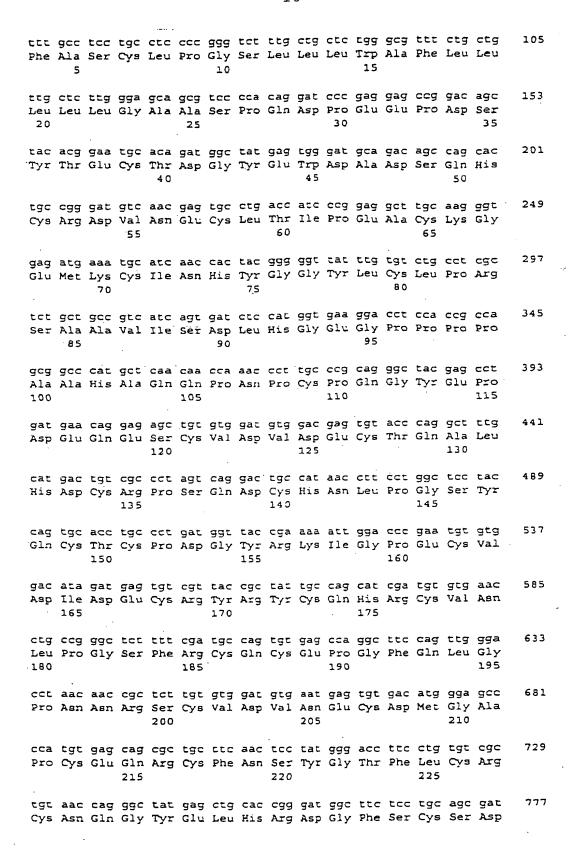
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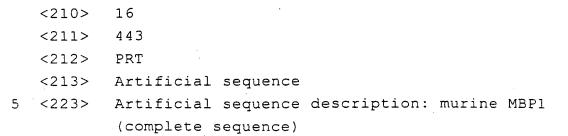
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Leu Cys Arg Cys Asn Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser

215

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      ccaagacatt gatgagtgtg agtotggtgc gcaccagtgc toogaggecc aaacctgtgt 960
      caacttccat gggggctacc gctgcgtgga caccaacegc tgcgtggagc cctacatcca 1020
      ggtctctgag aaccgctgtc tctgcccggc ctccaaccct ctatgtcgag agcagccttc 1080
      atccattgtg caccgctaca tgaccatcac ctcggagcgg ag
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    <212>
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              Artificial sequence
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<223> Artificial sequence description: human MBP1 cDNA (partial sequence)

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      tgtgagtctg gtgcgcacca gtgctccgag gcccaaacct gtgtcaactt ccatgggggc 180
      taccgctgcg tggacaccaa ccgctgcgtg gagccctaca tccaggtctc tgagaaccgc 240
      Egiciciges eggestecaa costotatgi egagageage eticatecat tgtgcacege 300
      tacatgacca teacetegga geggagegtg coegetgacg tgttecagat ceaggegace 360
      teegtetace eeggtgeeta caatgeettt cagateegtg etggaaacte geagggggae 420
      ttttacatta ggcaaatcaa caacgtcagc gccatgctgg tcctcgcccg gccggtgacg 480
      ggcccccggg agtacgtgct ggacctggag atggtcacca tgaatteect catgagctac 540
      egggecaget etgtaetgag geteacegte tittgtagggg cetacacett etgaggagea 600
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    <222>
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Artificial sequence description: human MBP1

(complete sequence)

ГIJ . 4 🗓 43 Ų ζħ Ħ C === ==== £ 4 ļi 13 ļ.÷

15

<223>

C



~ 41	202															
,														58		
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Lev	rcta Leu	ctg Leu	ttg Lev 20	Leu	ttg Leu	gga Gly	tca Ser	gct Ala 25	tct Ser	cct Pro	cag Gln	gat Asp	Ser 30	Glu	gag Glu	154
	gac Asp		Tyr										Asp			202
	cag Gln 50	His														250
tgc Cys 65	aag Lys	ejà aaa	gaa Glu	atg Met	aag Lys 70	Cya	atc Ile	aac Asn	cac His	tac Tyr 75	Gly 999	ggc Gly	tac Tyr	ttg Leu	tgc Cys 80	298
ctg Leu	ccc Pro	cgc	tcc Ser	gct Ala 85	gcc Ala	gtc Val	atc Ile	aac Asn	gac Asp 90	cta Leu	cac His	Gly	gag Glu	gga Gly 95	ccc Pro	346
ccg Pro	cca Pro	cca Pro	gtg Val 100	cct Pro	ccc Pro	gct Ala	caa Gln	cac His 105	ccc Pro	aac Asn	ccc Pro	tgc Cys	cca Pro 110	cca Pro	ggc	394
tat Tyr	gag Glu	ccc Pro 115	gac Asp	gat Asp	cag Gln	gac Asp	agc Ser	càs	gtg Val	gat Asp	gtg Val	gac Asp 125	gag Glu	cya Cya	gcc Ala	442
cag Gln	gcc Ala 130	ctg Leu	cac His	gac Asp	tgt Cys	cgc Arg 135	Pro	agc Ser	cag Gln	gac Asp	tgc Cys 140	cat His	aac Asn	ttg Leu	cct Pro	490
ggc Gly 145	tcc Ser	tat Tyr	cag Gln	tgc Cys	acc Thr 150	tgc Cys	cct Pro	gat Asp	ggt	tac Tyr 155	cgc Arg	aag Lys	atc Ile	gly ggg	ccc Pro 160	538
gag Glu	tgt Cys	gtg Val	gac Asp	ata Ile 165	gac Asp	gag Glu	tgc Cys	cgc Arg	tac Tyr 170	cgc Arg	tac Tyr	tgc Cys	cag Gln	cac His 175	cgc	586
tgc	gtg	aac	ctg	cct	ggc	tcc	ttc	cgc	tgc	cag	tgc	gag	ccg	ggc	ttc	634





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								tgc Cys								730
								gag Glu								778
								tac Tyr								826
								tic Phe 265								874
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tct Ser	ggt Gly 290	gcg	cac His	cag Gln	tgc Cys	tcc Ser 295	gag Glu	gcc Ala	caa. Gln	acc Thr	tgt Cys 300	gtc Val	aac neA	ttc Phe	cat His	970
302 GJA 888	Gjà aac	tac Tyr	cgc Arg	tgc Cys	gtg Val 310	gac Asp	acc Thr	aac Asn	cgc Arg	tgc Cys 315	gtg Val	Glu Glu	ccc Pro	tac Tyr	atc Ile 320	1018
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_		_						cac His 345	_		-					1114
								ttc Phe								1162
tac Tyr	ecc Pro 370	ggt Gly	gcc Ala	tac Tyr	aat Asn	gcc Ala 375	ttt Phe	cag Gln	atc Ile	cgt Arg	gct Ala 380	gga Gly	aac Asn	t cg Ser	cag Gln	1210
								aac Asn								1258
								cgg Arg								1306





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Met	Val	Thr	Met	Asn	Ser	Leu	Met	Ser	Tyr	Arg	Ala	Ser	Ser	Val	Leu	
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<223> Artificial sequence description: human MBP1
(complete sequence)





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Pro Asp Ser Tyr Thr Glu Cys Thr Asp Gly Tyr Glu Trp Asp Pro Asp
35 40 45

Ser Gln His Cys Arg Asp Val Asn Glu Cys Leu Thr Ile Pro Glu Ala 50 55 60

Cys Lys Gly Glu Met Lys Cys Ile Asn His Tyr Gly Gly Tyr Leu Cys
65 70 75 80

Leu Pro Arg Ser Ala Ala Val Ile Asn Asp Leu His Gly Glu Gly Pro
85 90 95

Pro Pro Pro Val Pro Pro Ala Gln His Pro Asn Pro Cys Pro Pro Gly 100 105

Tyr Glu Pro Asp Asp Gln Asp Ser Cys Val Asp Val Asp Glu Cys Ala 115 120 125

Gln Ala Leu His Asp Cys Arg Pro Ser Gln Asp Cys His Asn Leu Pro 130 140

Gly Ser Tyr Gln Cys Thr Cys Pro Asp Gly Tyr Arg Lys Ile Gly Pro 145 150 155

Glu Cys Val Asp Ile Asp Glu Cys Arg Tyr Arg Tyr Cys Gln His Arg 165 170 175

Cys Val Asn Leu Pro Gly Ser Phe Arg Cys Gln Cys Glu Pro Gly Phe 180 185 190

Gln Leu Gly Pro Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp 195 200 205 Met Gly Ala Pro Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe Leu Cys Arg Cys His Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser Cys Ser Asp Ile Asp Glu Cys Ser Tyr Ser Ser Tyr Leu Cys Gln Tyr 250 Arg Cys Val Asn Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr Gln Leu Leu Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Ser Gly Ala His Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly Gly Tyr Arg Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Ile Gln Val Ser Glu Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg Glu Gln Pro Ser Ser Ile Val His Arg Tyr Met Thr Ile Thr Ser Glu Arg Ser Val Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr Pro Gly Ala Tyr Asn Ala Phe Gln Ile Arg Ala Gly Asn Ser Gln Gly Asp Phe Tyr Ile Arg Gln Ile Asn Asn Val Ser Ala Met Leu Val 390 Leu Ala Arg Pro Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu 405 Met Val Thr Met Asn Ser Leu Met Ser Tyr Arg Ala Ser Ser Val Leu

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 gcgtccccac aggatcccga ggagccggac agctacacgg aatgcacaga tggctatgag 180
 tgggatgcag acagccagca ctgccgggat gtcaacgagt gcctgaccat cccggaggct 240
 tgcaagggtg agatgaaatg catcaaccac tacgggggtt atttgtgtct gcctcgctct 300
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 caaccaaacc cttgcccgca gggctacgag cctgatgaac aggagagctg tgtggatgtg 420
 gacgagtgta cocaggettt geatgactgt egecetagte aggactgeea taacetteet 480
 ggeteetace agtgeacetg ceetgatggt tacegaaaaa ttggaceega atgtgtggac 540
 atagatgagt gtcgttaccg ctattgccag catcgatgtg tgaacctgcc gggctctttt 600
 egatgecagt gtgagecagg ettecagtig ggacetaaca acegetetig tgtggatgtg 660
 aatgagtgig acatgggage cecatgtgag cagegetget teaacteeta tgggaeette 720
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 gatgagtgcg gctactccag ttacctctgc cagtacc
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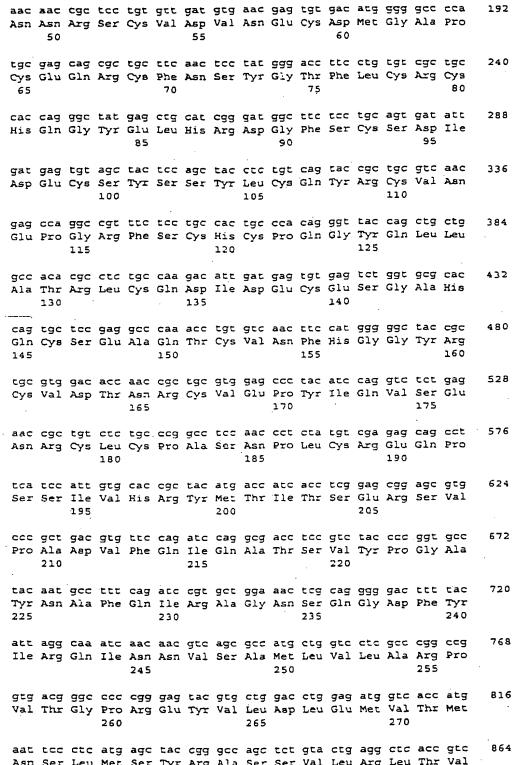
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      10
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            gccctgatgg ttaccgcaag a
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[]
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                    DNA
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	Cys Thr	tgc cct gat ggt tac cgc aag atc ggg ccc gag tgt gtg gac 48 Cys Pro Asp Gly Tyr Arg Lys Ile Gly Pro Glu Cys Val Asp 5 10 15
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		C-term fragment
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Asn Ser Leu Met Ser Tyr Arg Ala Ser Ser Val Leu Arg Leu Thr Val

915

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aagaaagtcc	tggtggctga	ggtgggcggg	tcacactgca	ggaagcctca	ggctggggca	103
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<210> 31

<211> 295

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<223> Artificial sequence description: human MBP1 C-term fragment

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<400> 31

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1 5 10 15

Ile Asp Glu Cys Arg Tyr Arg Tyr Cys Gln His Arg Cys Val Asn Leu 20 25 30

Pro Gly Ser Phe Arg Cys Gln Cys Glu Pro Gly Phe Gln Leu Gly Pro 35 40 45

Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp Met Gly Ala Pro 50 55 60

Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe Leu Cys Arg Cys
65 70 75 80

His Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser Cys Ser Asp Ile 85 90 95

Asp Glu Cys Ser Tyr Ser Ser Tyr Leu Cys Gln Tyr Arg Cys Val Asn 100 105 110

Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr Gln Leu Leu 115 120 125

Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Ser Gly Ala His 130 135 140

Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly Gly Tyr Arg

.

155 160 145 150 Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Ile Gln Val Ser Glu 170 Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg Glu Gln Pro 185 Ser Ser Ile Val His Arg Tyr Met Thr Ile Thr Ser Glu Arg Ser Val 200 195 Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr Pro Gly Ala 215 Tyr Asn Ala Phe Gln Ile Arg Ala Gly Asn Ser Gln Gly Asp Phe Tyr Ile Arg Gln Ile Asn Asn Val Ser Ala Met Leu Val Leu Ala Arg Pro 245 Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu Met Val Thr Met Asn Ser Leu Met Ser Tyr Arg Ala Ser Ser Val Leu Arg Leu Thr Val 285 280 275 Phe Val Gly Ala Tyr Thr Phe <210> 32 <211> 1663 <212> DNA <213> Artificial sequence <220> <221> CDS <222> (1)..(999) <220> <223> Artificial sequence description: murine fibulin 2 c-term fragment

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1u	Gly	Ser	Glu	Cys	Val	Asp	Val	Asn	Glu	Суз	Glu	Thr	Gly	Val	His	
1				5					10					15		
:gc	tgt	ggc	gag	ggc	caa	ctg	tgc	tat	aac	CIC	cct	gga	tcc	tac	cgc	96
ırg	Суз	Gly	Glu	Gly	Gln	Leu	Суз	Tyr	Asn	Leu	Pro	Gly	Ser	Tyr	Arg	
-		•	20					25	•				30			
gt	gac	tgc	aag	CCC	ggc	ttc	cag	agg	gat	gca	ttc	ggc	agg	act	tgc	144
	Asp															
		35					40					45				
tt	gat	qtq	aac	gaa	tgc	tgg	gtc	tcg	ccg	ggc	cqc	ctq	tqc	cag	cac	192
	Asp															

50 55 60

	50					23										
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								cat His								288
Glu gag	act Thr	cgg Arg	cgc Arg 100	tgc Cys	agc Ser	cag Gln	gaa Glu	tgt Cys	gcc Ala	aac Asn	atc Ile	tat Tyr	ggc Gly 110	tcc Ser	tat Tyr	336
cag Gln	tgc Cys	tac Tyr 115	tgc Cys	cgt Arg	cag Gln	ggc Gly	tac Tyr 120	cag Gln	ctg <sub>.</sub>	gca Ala	gag Glu	gat Asp 125	Gly	cat His	acc Thr	384
tgc Cys	aca Thr 130	gac Asp	atc Ile	gat Asp	gag Glu	tgt Cys 135	gca Ala	cag Gln	Gly ggc	gcg Ala	ggc Gly 140	att Ile	ctc Leu	tgt Cys	acc Thr	432
ttc Phe 145	cgc	tgt Cys	gtc Val	aac Asn	grg Val 150	cct Pro	ejà aaa	agc Ser	tac Tyr	cag Gln 155	tgt Cys	gca Ala	tgc Cys	cca Pro	gag Glu 160	480
caa Gln	Gl <sup>A</sup> aaa	tat Tyr	aca Thr	atg Met 165	atg Met	gcc Ala	aac Asn	Gly ggg	agg Arg 170	tcc Ser	tgc Cys	aag Lys	gac Asp	ctg Leu 175	gat Asp	528
gag Glu	tgt Cys	gca Ala	ctg Leu 180	ggc Gly	acc Thr	cac His	aac Asn	tgc Cys 185	tct Ser	gag Glu	gct Ala	gag Glu	acc Thr 190	tgc Cys	cac His	57 <b>6</b>
aat Asn	atc Ile	cag Gln 195	999 999	agt Ser	ttc Phe	cgc Arg	tgc Cys 200	ctg Leu	cgc Arg	ttt Phe	gat Asp	tgt Cys 205	cca Pro	Pro	aac Asn	624
tat Tyr	gtc Val 210	cgt Arg	gtc Val	tca Ser	caa Gln	acg Thr 215	aag Lys	Cys Cys	gag Glu	Arg	acc Thr 220	aca Thr	tgc Cys	Gln	gat Asp	672
atc Ile 225	acg Thr	gaa Glu	tgt Cys	caa Gln	acc Thr 230	tca Ser	cca Pro	gct Ala	cgc Arg	atc Ile 235	acg Thr	cac	tac Tyr	cag Gln	ctc Leu 240	720
aat Asn	ttc Phe	cag Gln	aca Thr	ggc Gly 245	cta Leu	ctg Leu	gta Val	cct Pro	gca Ala 250	cat His	atc Ile	ttc Phe	cgc Arg	atc Ile 255	ggc Gly	768
cct Pro	gct Ala	ccc Pro	gcc Ala 260	ttt Phe	gct Ala	GJÀ aaa	gac	acc Thr 265	atc	tcc Ser	ctg Leu	Thr	atc Ile 270	acg Thr	aag Lys	816
GJA BBc	aat Asn	gag Glu 275	gag Glu	ggc	tac Tyr	ttc Phe	gtc Val 280	aca Thr	cgc Arg	aga Arg	ctc Leu	aat Asn 285	gcc Ala	tac Tyr	act Thr	864
ggt	gtg	gta	tcc	ctg	cag	cgg	tct	gtt	ctg	gag	ccg	cgg	gac	ttt	gcc	912

Gly Val Val Ser Leu Gln Arg Ser Val Leu Glu Pro Arg Asp Phe Ala cta gat gtg gag atg aag ctt tgg cgc cag ggc tet gtc act acc ttc 960 Leu Asp Val Glu Met Lys Leu Trp Arg Gln Gly Ser Val Thr Thr P'ye 310 315 ctg gee aag atg tac ate tte tte acc act tit gee eea tgaggtgaca 1009 Leu Ala Lys Met Tyr Ile Phe Phe Thr Thr Phe Ala Pro 325 tgtcaggcaa tccctccagg tgatgcctgg gcggtgggca gctgcgccac tcctaagtgg 1069 ctttttgctg tgactctgta acttaactta atcatgctga gctggttggt cttgagtctc 1129 taccctagag ggagggagat gcaccccagc aggcactgag tacaggccag ggtcacccga 1189 ggoragatgg tgacotgoaa actggaaaca gocatagggg gottotgaac tocactooto 1249 aactatgget acagetgaea ttecatteet teatecaetg tgtteeteaa ttaaaaaaaa 1309 aaatcagetg tgcatggtag cacagacett taateetage actggggagg cagaggtagg 1369 tagatototg agttocaggo cagootggto tacaotggga gttotaacca gooagagota 1429 catagagaga coctatotoa acaaggaaaa aacgaaagaa atototgtga gttocaggoo 1489 ageorggict acgorgggag trotaaccag coagagotac aragagagat cotatorcaa 1549 caaggaaaaa tgaaagaaat cattttaaaa ggtttttttt tttgctgttg ttgtttaatg 1609 ataagagtag cacatataca ttattaaaaa tgatcaaata gcacagaaag gtta

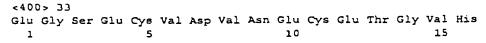
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<211> 333

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<213> Artificial sequence

<223> Artificial sequence description: murine fibulin 2 c-term fragment



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Ile Asp Val Asn Glu Cys Trp Val Ser Pro Gly Arg Leu Cys Gln His
50 55 60

Thr Cys Glu Asn Thr Pro Gly Ser Tyr Arg Cys Ser Cys Ala Ala Gly 65 70 75 80

Phe Leu Leu Ala Ala Asp Gly Lys His Cys Glu Asp Val Asn Glu Cys 85 90 95





Glu Thr Arg Arg Cys Ser Gln Glu Cys Ala Asn Ile Tyr Gly Ser Tyr 100 105 110

Gln Cys Tyr Cys Arg Gln Gly Tyr Gln Leu Ala Glu Asp Gly His Thr 115 120 125

Cys Thr Asp Ile Asp Glu Cys Ala Gln Gly Ala Gly Ile Leu Cys Thr 130 135 140

Phe Arg Cys Val Asn Val Pro Gly Ser Tyr Gln Cys Ala Cys Pro Glu 145 150 155 160

Gln Gly Tyr Thr Met Met Ala Asn Gly Arg Ser Cys Lys Asp Leu Asp 165 170 175

Glu Cys Ala Leu Gly Thr His Asn Cys Ser Glu Ala Glu Thr Cys His 180 185 190

Asn Ile Gln Gly Ser Phe Arg Cys Leu Arg Phe Asp Cys Pro Pro Asn 195 200 205

Tyr Val Arg Val Ser Gln Thr Lys Cys Glu Arg Thr Thr Cys Gln Asp 210 215 220

Ile Thr Glu Cys Gln Thr Ser Pro Ala Arg Ile Thr His Tyr Gln Leu 225 230 235 240

Asn Phe Gln Thr Gly Leu Leu Val Pro Ala His Ile Phe Arg Ile Gly 245 250 255

Pro Ala Pro Ala Phe Ala Gly Asp Thr Ile Ser Leu Thr Ile Thr Lys
260 265 270

Gly Asn Glu Glu Gly Tyr Phe Val Thr Arg Arg Leu Asn Ala Tyr Thr 275 280 285

Gly Val Val Ser Leu Gln Arg Ser Val Leu Glu Pro Arg Asp Phe Ala 290 295 300

Leu Asp Val Glu Met Lys Leu Trp Arg Gln Gly Ser Val Thr Thr Phe 305 310 315 320

Leu Ala Lys Met Tyr Ile Phe Phe Thr Thr Phe Ala Pro 325 330